

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. – 20. (canceled)
21. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence an open reading frame encoding an amino acid sequence of SEQ ID NO: 100, 102, 104, 106, 108, 110, 112, or 114.
22. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 100.
23. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 102.
24. (currently amended) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence an open reading frame encoding an amino acid sequence of SEQ ID NO: 104.
25. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 106.
26. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 108.
27. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 110.
28. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 112.
29. (withdrawn) The nucleic acid molecule of claim 21 comprising a nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 114.

30. (withdrawn) The nucleic acid molecule of claim 21 comprising SEQ ID NO: 99, nucleotides 3-1149 of SEQ ID NO: 101, nucleotides 123-1029 of SEQ ID NO: 103, nucleotides 1-2266 of SEQ ID NO: 105, nucleotides 11-2308 of SEQ ID NO: 107, SEQ ID NO: 109, nucleotides 117-2382 of SEQ ID NO: 111, or nucleotides 117-2382 of SEQ ID NO: 113.

31. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence an open reading frame encoding a mature form of an amino acid sequence of SEQ ID NO: 100, 102, 104, 106, 108, 110, 112, or 114.

32. (canceled)

33. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence an open reading frame encoding an amino acid sequence, wherein said amino acid sequence is at least 95% identical to SEQ ID NO: 104 has one or more conservative substitutions to an amino acid sequence selected from the group consisting of SEQ ID NOS: 100, 102, 104, 106, 108, 110, 112, and 114.

34. (currently amended) A vector comprising the nucleic acid molecule of claim 21,32, or 33.

35. (previously presented) The vector of claim 34, further comprising a promoter operably linked to said nucleic acid molecule.

36. (previously presented) A cell comprising the vector of claim 34.

37. (previously presented) A method of producing a polypeptide comprising an amino acid sequence of SEQ ID NO: 100, 102, 104, 106, 108, 110, 112, or 114 comprising culturing a cell under conditions that lead to expression of the polypeptide, wherein said cell comprises the vector of claim 34.

38. (previously presented) The method of claim 37 wherein the cell is a bacterial cell, an insect cell, a yeast cell, or a mammalian cell.